

Message

---

**From:** Gaines, Jeff [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=C0CE5613E3C245B09C6CCAD71CF3062A-JGAIN02]  
**Sent:** 6/11/2015 3:44:07 PM  
**To:** King, Danyel [King.Danyel@epa.gov]  
**Subject:** FW: Subp X WG Conf Call  
**Attachments:** General Atomics Super Critical Water Oxidation Syatem VA DEQ Presentation 6-3-15.pdf; Subpart X Work Group Members 6-11-15.docx

Danyel,

Info for subpart x call.

Thanks!

-----  
Jeff Gaines  
Phone: 703-308-8655

*"The most exciting phrase to hear in science, the one that heralds the most discoveries, is not "Eureka!" (I found it!) but "That's funny." — Isaac Asimov*

*"Dulce et Decorum Est Desipere in Loco" — Josiah S. Carberry*

---

---

**From:** Shuster, Kenneth  
**Sent:** Thursday, June 11, 2015 11:36 AM  
**To:** Galbraith, Michael; Lesser, Ben; Lipka, Michelle; Gaines, Jeff; King, Toshia; Abdul-Malik, Norma; Gerhard, Sasha; Svizzero, Michael; Hansen, Gail; Kohler, Amanda; Colon, Lilybeth; Yee, Stephen; Everett, Adolph; Azzam, Nidal; Park, Andy; Brogard, John; Ferreira, Gina; Salgado, Angel; Negron, Luis; Matyskiela, Linda; Kinslow, Sara; Housley, Denise; Crosby-Vega, Terri; McKeePerez, Nancy; Zapata, Cesar; Gilliland, Houston; Watson, Sarah; Blough, James; Ramanauskas, Peter; Lee, Jae; Hendrickson, Charles; Fruitwala, Kishor; Herstowski, Ken; Brown, Terry; Newland, Jesse; Morlock, Nancy; Zabaneh, Mahfouz; Gross, Barbara; Meyer, Linda; Palumbo, Janice; John.Scott@dep.state.nj.us; Zafar.Billah@dep.state.nj.us; Jennifer.Meyer@dep.state.nj.us; Thomas.Giordano\_dep.nj.gov; Anthony.Fontana@dep.nj.gov; michelle.ching@dec.ny.gov; tjkilllee\_gw.dec.state.ny.us; Diane McDaniel; Oscar Vazquez-Martinez; Linda Houseal; vutran\_pa.gov; Ed.Hammerberg@maryland.gov; Albert.Simkins@maryland.gov; leslie.romanchik@deq.virginia.gov; Ashby.Scott@deq.virginia.gov; Russell.McAvoy@deq.virginia.gov; Chad.Stevens@dep.state.fl.us; Albert.Frakes\_tn.gov; Jamie.Burroughs\_tn.gov; April.Webb@ky.gov; heather.alexander\_ky.gov; Colette.Easter@ky.gov; Dale.Burton@ky.gov; George.Partridge@ky.gov; Daniel.Walker@ky.gov; PBANSCH@idem.IN.gov; rich.nussbaum@dnr.mo.gov; bill.fanska\_dnr.mo.gov; Jalal.el-jayyousi@dnr.mo.gov; Don Caffery; lina.saale@la.gov; Donald.Hensch@deq.ok.gov; Rachel.Hanigan@deq.ok.gov; timothy.hall\_state.nm.us; Siona.Briley@state.nm.us; david.strasser@state.nm.us; Siew.Kour@nebraska.gov; Richard Flanary; deb.anderson@state.co.us; kevin.christensen@state.sd.us; cerickso@nd.gov; Alan.Thompson@wyo.gov; Jerry.Breed@wyo.gov; Lily Barkau Lee; Edward.Nieto\_dtsc.ca.gov; Sam.Coe@dtsc.ca.gov; Elly Daoud; Antonia.Becker@dtsc.ca.gov; Deming.Diana@azdeq.gov; Sachs.Maria@azdeq.gov; Leverock.Anthony@azdeq.gov; Torres, Ramon; Edward.Malone@ky.gov; Todd.Powers@ky.gov  
**Subject:** RE: Subp X WG Conf Call

The next Subp X WG Conference Call is today 6/11/15, 12n-1:30pm EST.

Dial-In Number:  
Conference Code:

Conference Line/Code / Ex. 6

FYI: Attached is an updated (as of today) list of Subp X WG members, including those wanting to be on the distribution list.

Here is the Final Agenda:

- 1) HQ Update {Ken Shuster}
  - ✓ HQ Summer intern Michelle Lipka: OB/OD contamination; cleanup costs
  - ✓ ORCR OD waste explosives briefing 6/19
  - ✓ NBSCAB letters to Congress May 17, 2015
  - ✓ Camp Minden, LA
- 2) Leslie Romanchik and I just had a discussion with Mr. David Ordway at General Atomics about their Super Critical Water Oxidation system which has been designed to treat energetic wastes among other waste streams. I'd like to see if any of the other states have evaluated this or similar treatment technologies when performing the alternative treatment technology review for OB/OD permits and if this technology looked promising. Attached is the short presentation Mr. Ordway provided to us which explains the system and what waste streams it can treat. [Ashby Scott, Hazardous Waste Permit Writer, Department of Environmental Quality, 629 East Main Street, Richmond, VA 23218 Phone: 804-698-4467 [Ashby.Scott@deq.virginia.gov](mailto:Ashby.Scott@deq.virginia.gov)]
- 3) During the course of the permit application review a database of emission factors for OB/OD operations, which DoD has been developing in conjunction with EPA, was referenced in the risk assessment protocol. When I questioned the facility regarding the source of the emission factors and whether they would be willing to provide a copy of the database the facility contact replied that they are currently QA/QC'ing the database with Mr. Mike Ciolek of EPA's Office of Air Quality Planning and Standards in the Research Triangle Park office in NC and that the emission factors were planning on being included in EPA's new WebFIRE emissions factor system. The facility also forwarded the contact information for Dr. Randall Cramer, who is the point of contact for them regarding the DoD emission factor database. I believe the Subp X WG may be interested to hear about the existence of the database since this will eventually feed into the risk assessment modeling for any permit renewals of the OB/OD units and if possible have Dr. Cramer on the call to discuss the database and how DoD developed the emission factors. Dr. Cramer's contact information is: Dr. Randall J Cramer, 4234 Steves Way-Suite 121, Indian Head, MD 20640-5058, phone: 301.744.5641, cell: 703.568.0560 [Ashby Scott, VA DEQ]

NOTE: No Subp X call in July; the next one will be Thurs, Aug 6...please plan to attend. Thanks.

Ken Shuster  
703-308-8759